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IN THE UNITED STATES PATENT OFFICE

September 21, 2010

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APPLICANT : New World Generation Inc.

INVENTORS : Paul H.F. Merswolke et al

SERIAL NO. : 10/596,314

FILED : 06/08/2006

TITLE : WIND TURBINE TO PRODUCE ELECTRICITY

DOCKET : 58342.0013

Mail Stop Amendment
Honorable Commissioner for Patents
P.O. Box 1450
Alexandria, VA, 22313-1450

ATTENTION: Dwayne J. White, Examiner
Art Unit 3745

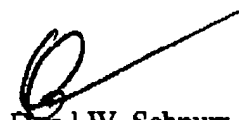
Dear Sir:

In the Office Action of August 3rd, 2010, it is stated in lines 3 to 5 on page 4 that the rejection of Claim 14 has been withdrawn as none of the known Prior Art teaches the method of controlling speed by using the controller to adjust the force of the rotators that are in contact with the ring. On page 7 of the Office Action, it is stated that Claim 14 would be allowable if rewritten in independent form including all the limitations of the base claim and any intervening claims.

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Subsequent to receiving the Office Action, I spoke to you by telephone and discussed with you whether or not apparatus claims having the same limitation that is allowable in method Claim 14 would make the apparatus claims allowable as well. You agreed that it would and we are therefore enclosing on an informal basis draft claims for discussion purposes and we are sending you these claims by fax to 571-273-8300. We have added new Claims 21 to 23 as well for your consideration. Please contact us by telephone to discuss these claims and we will then file a formal response to the Office Action of August 3rd, 2010.

Respectfully submitted,


Daryl W. Schnurr
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IN THE CLAIMS:

1. CURRENTLY AMENDED A turbine powered by wind comprising a rotor on a shaft, said rotor having blades extending outward therefrom, said blades being shaped to rotate said shaft when a velocity of said wind exceeds a predetermined minimum, said shaft being rotatably supported on a support that moves said blades in a yaw movement into and out of said wind as said wind changes direction, said turbine having a pitch adjustment mechanism to change a pitch of said blades, said shaft having a ring concentrically mounted thereon separately from said blades, said ring being longitudinally offset along said shaft from said blades, a plurality of rotators mounted to removably contact said ring, said rotators being connected to drive energy producing equipment, said rotators being constructed to rotate with said ring when said rotators are in contact therewith, thereby driving said energy producing equipment when said wind rotates said blades, a controller connected to control a speed of said turbine when a velocity of said wind exceeds a predetermined minimum by adjusting a force of each of said rotators that are in contact with said ring and to independently control each contact between each of said rotators and said ring independently.
2. ORIGINAL A turbine as claimed in Claim 1 wherein said rotor has a hub thereon located between said shaft and said blades.
3. ORIGINAL A turbine as claimed in Claim 2 wherein each blade has a post extending outward from said hub with a blade-shaped portion mounted on an outer portion of said post.
4. ORIGINAL A turbine as claimed in Claim 1 wherein said ring has a plurality of spokes extending outward from a central portion thereof to support said ring.
5. ORIGINAL A turbine as claimed in any one of Claims 1, 2 or 4 wherein there are three blades mounted equidistant from one another on said turbine.
6. ORIGINAL A turbine as claimed in any one of Claims 1, 2 or 4 wherein said ring has a surface extending parallel to a surface of said shaft and the rotators are tires.
7. ORIGINAL A turbine as claimed in any one of Claims 1, 2 or 4 wherein said rotators are one selected from the group of tires, metal wheels and gears.

8. PREVIOUSLY PRESENTED A turbine as claimed in any one of Claims 1, 2 or 3 wherein said ring is a first gear located on a periphery of a plate that is concentrically mounted on said shaft and said rotators are second gears that intermesh with said first gear.

9. ORIGINAL A turbine as claimed in any one of Claims 1, 2 or 4 wherein said ring is made from metal and said rotators are metal wheels.

10. ORIGINAL A turbine as claimed in any one of Claims 1, 2 or 4 wherein said controller is connected to control brakes for said turbine.

11. ORIGINAL A turbine as claimed in any one of Claims 1, 2 or 4 wherein said ring has a significantly smaller diameter than a circumference through tips of said blades.

12. PREVIOUSLY PRESENTED A turbine as claimed in any one of Claims 1, 2 or 4 wherein said ring has a plate with a surface thereon extending parallel to a surface of said shaft, said surface of said plate providing a contact surface for said rotators.

13. CURRENTLY AMENDED A method of operating a turbine powered by wind, said turbine having a rotor on a shaft, said rotor having blades extending outwards therefrom, said blades being shaped to rotate said shaft when a velocity of said wind exceeds a predetermined minimum, said shaft being rotatably supported on a support that moves said blades in a yaw movement into and out of said wind as said wind changes direction, said turbine having a pitch adjustment mechanism, said shaft having a ring concentrically mounted thereon separately from said blades, said ring being longitudinally offset along said shaft from said blades, a plurality of rotators mounted to removably contact said ring, said rotators being connected to drive energy producing equipment, said rotators being constructed to rotate with said ring when said rotators are in contact therewith, thereby driving said energy producing equipment when said wind rotates said blades, a controller connected to control a speed of rotation of said turbine when velocity of said wind exceeds a predetermined minimum and to independently control each contact between said rotators and said ring, said method comprising controlling said speed with varying wind conditions as said blades are rotating by adjusting a number of rotators that are in contact with said ring using said controller and using said controller to adjust a force of said rotators that are in contact with said ring.

14. CURRENTLY AMENDED A method as claimed in Claim 13 including the steps of controlling said speed by using said controller to adjust ~~a force of said rotators that are in contact with said ring~~ and a number of generators that are driven by said rotators that are in contact with said ring, ~~and using said controller to adjust one or more of a pitch of said turbine, a yaw position of said turbine, and applying brakes on said turbine in response to changing wind conditions.~~

15. CURRENTLY AMENDED A method as claimed in Claim 14 including the steps of using said controller to constantly monitor said turbine and said wind conditions and changing said number of rotators in contact with said ring and a force of each rotator in contact with said ring with and to adjust one or more of said pitch of said blades, a yaw position of said turbine, and the application or release of brakes on said turbine in response to changing wind conditions.

16. CURRENTLY AMENDED A turbine powered by wind comprising a rotor on a shaft, said rotor having blades extending outward therefrom, said blades being shaped to rotate said shaft when a velocity of said wind exceeds a predetermined minimum, said shaft being rotatably supported on a support that moves said blades in a yaw movement into and out of said wind as said wind changes direction, said turbine having a pitch adjustment mechanism to change a pitch of said blades, said shaft having a ring concentrically mounted thereon, said ring being a first gear located on a periphery of a plate that is concentrically mounted on said shaft and said rotators are second gears that intermesh with said first gear, said ring being longitudinally offset along said shaft from said blades, a plurality of rotators mounted to removably contact said ring, said rotators being connected to drive energy producing equipment, said rotators being constructed to rotate with said ring when said rotators are in contact therewith, thereby driving said energy producing equipment when said wind rotates said blades, a controller connected to control a speed of said turbine when a velocity of said wind exceeds a predetermined minimum by adjusting a force of each of said rotators that are in contact with said ring and to independently control each contact between said rotators and said ring.

17. PREVIOUSLY PRESENTED A wind turbine as claimed in Claim 16 wherein said rotor has a hub thereon rotated between said shaft and said blades.

18. PREVIOUSLY PRESENTED A wind turbine as claimed in Claim 17 wherein each blade has a post extending outward from said hub with a blade-shaped portion mounted on an outer portion of said post.

19. PREVIOUSLY PRESENTED A wind turbine as claimed in Claim 16 wherein said ring has a plurality of spokes extending outward from a central portion thereof to support said ring.

20. PREVIOUSLY PRESENTED A wind turbine as claimed in Claim 18 wherein said rotators are tires.

21. NEW A turbine powered by wind comprising a rotor on a shaft, said rotor having blades extending outward therefrom, said blades being shaped to rotate said shaft when a velocity of said wind exceeds a predetermined minimum, said shaft being rotatably supported on a support that moves said blades in a yaw movement into and out of said wind as said wind changes direction, said turbine having a pitch adjustment mechanism to change a pitch of said blades, said shaft having a ring concentrically mounted thereon separately from said blades, said ring being longitudinally offset along said shaft from said blades, a plurality of rotators mounted to removably contact said ring, said rotators being connected to drive energy producing equipment, said rotators being constructed to rotate with said ring when said rotators are in contact therewith, thereby driving said energy producing equipment when said wind rotates said blades, a controller connected to control a speed of said turbine when a velocity of said wind exceeds a predetermined minimum by adjusting a force of each of said rotators that are in contact with said ring.

22. NEW A turbine as claimed in Claim 21 wherein said controller is connected to control each contact between each of said rotators and said ring independently and to control the speed of said turbine by controlling a number of rotators that are in contact with said ring.

23. NEW A turbine as claimed in Claim 22 wherein said controller is connected to control said speed of said turbine by adjusting one or more of said pitch of said blades, a yaw position and applying or releasing brakes on said turbine in response to changing wind conditions.

MILLER THOMSON LLP

Barristers & Solicitors, Patent & Trade Mark Agents

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DATE: September 22, 2010
TO: United States Patent Office
FAX NO.: 571-273-8300
SUBJECT: 10/596,314 New World Generation Our File 58342.0013
FROM: Daryl W. Schnurr **DIRECT LINE:** 519-593-3226

PAGES: 7 (INCLUDING THIS PAGE) **DIRECT FAX: 519-576-2030**

Please notify Liz Richardson at 519-593-2431 immediately if all pages are not received

ORIGINAL WILL BE:Placed on file ☒Mailed to you ☐Sent to you by courier ☐**COMMENTS:****CERTIFICATE OF FACSIMILE TRANSMISSION**

Applicants: New World Generation Inc. Serial No. 10/596,314

Filed: 06/08/2006

Title: Wind Turbine to Produce Electricity

I hereby certify that the paper attached hereto, being an amendment dated September 21, 2010, is being facsimile transmitted to the Patent and Trademark Office on the date shown below.

Liz Richardson

September 22, 2010

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